

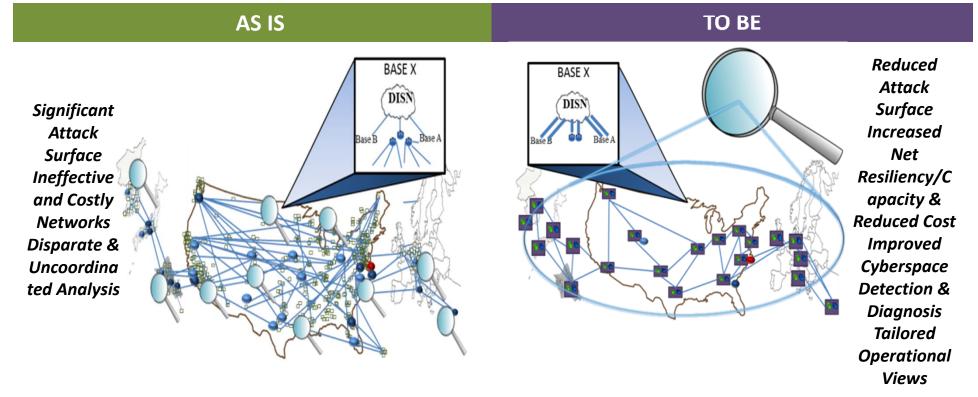


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17 Jun 2015



## Secure





# Joint Regional Security Stacks ////

NIPR JRSS 1.0/1.5 Operational Effects

- Provides network defenders real-time capability to:
  - Joint C2 and visibility of network and regional security resources at strategic/operational levels
  - View DoD installation network status and track cyber events
  - Monitor millions of internal DoD WWW transactions daily
  - Block known hostile traffic
  - Record all network transactions for later forensics (v1.5)
  - Prioritize traffic flows by community of interest

#### **CAPABILITIES**

SSL Inspection, agency-level intrusion protection system (IPS), agency level firewall, agency/base intrusion detection system, base IPS, application firewall, **full packet capture (v1.5)**, and ability to support multiple virtual Service/Agency policies and TTPs

Sunsets AF Gateways/Army TLAs



# Joint Regional Security Stacks ////

NIPR JRSS 2.0 Operational Effects

- JRSS 2.0 adds the following effects:
  - Additional defense in depth capabilities at strategic, operational and tactical (i.e., B/P/C/S) levels
  - Greater fidelity of cyber vulnerability screening/filtering
  - Data/Applications defense in depth
  - Advanced & fine-grain inspection of DoDIN traffic
  - WAN traffic optimization for data/application support

#### **ADDITIONAL CAPABILITIES**

Base-level web content filtering/enhanced application firewall/IPS, detonation chamber (inspect atchs), break & inspect encrypted capability (SSL/PKI), base-level in-line virus scanning, WAN acceleration, and enhanced logging/analysis capabilities

Sunsets DON/DHA Gateways



# SIPR JRSS

(S-JRSS v1.0)

### **S-JRSS Operational Effects:**

- Provides network defenders real-time capability on SIPRNet:
- Joint C2 and visibility regional security resources at strategic/operational levels
- View DoD installation network status and track cyber events
- Block known hostile traffic

### S-JRSS Capabilities:

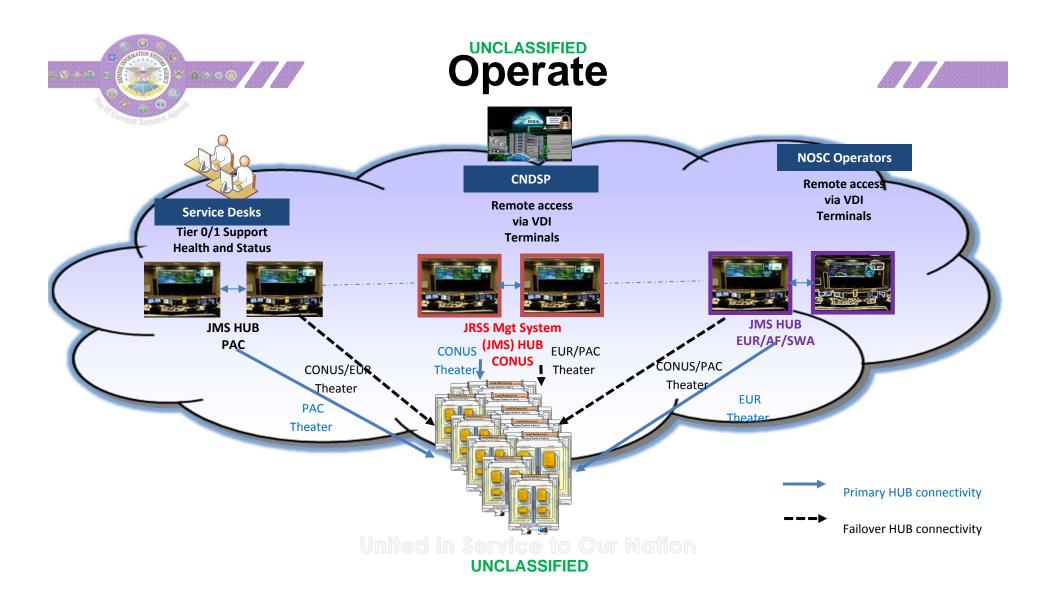
- Agency-level intrusion protection system (IPS)
- Agency level firewall
- Ability to support multiple virtual Service/Agency policies and TTPs

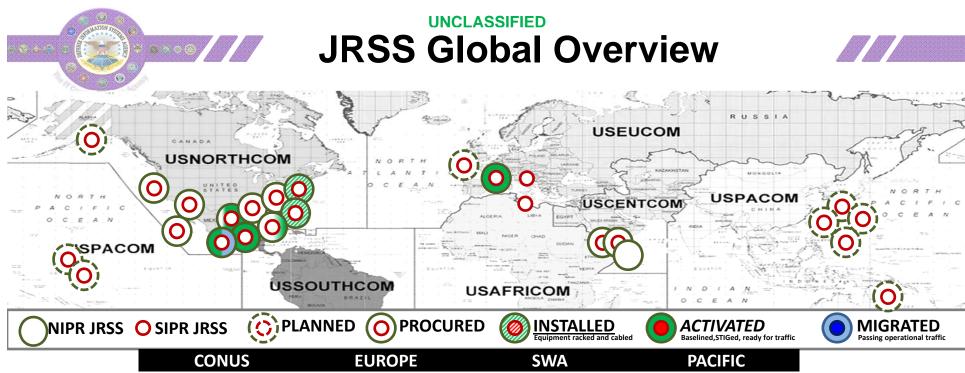
### S-JRSS Architecture Plan:

- Existing crypto at installation sites, and existing GRE-capable routers
- Uses GRE Tunnels (i.e., BPCS to BPCS and S-JRSS)
- Deploy S-JRSS in non-Internal High Availability (HA) Configuration
- S-JRSS provides Agency-Level Security and enclave Security Protection though inheritance
- The SIPR procurement included 6 full JMS's (2 CONUS, 1 EUR, 1 SWA, 2 PAC)

Sunsets AF SIPR Gateways; Adds Army regional layer

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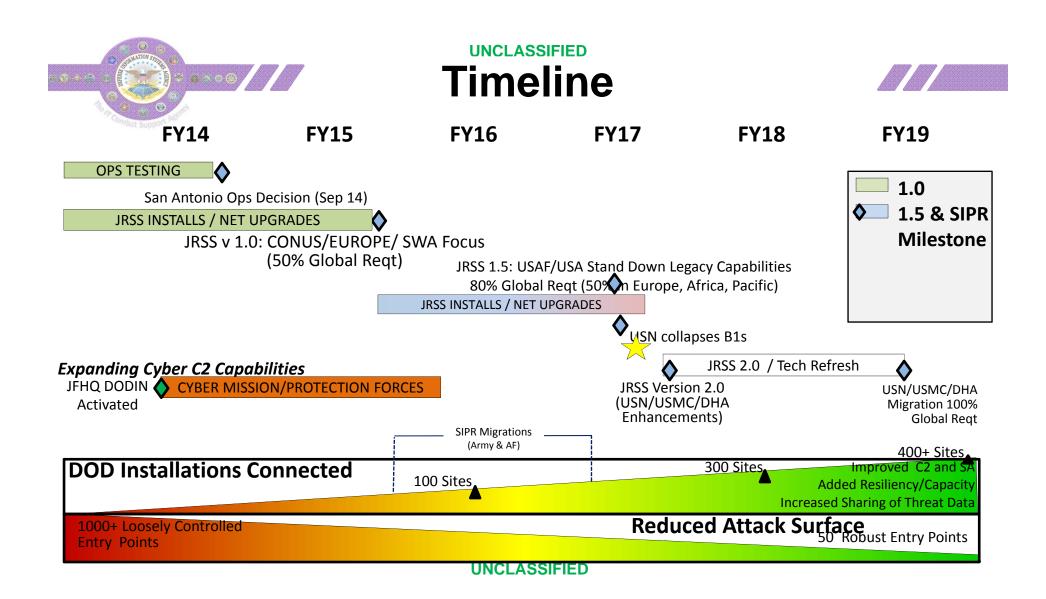




11 S-JRSS Location **4 S-JRSS Locations** 2 S-JRSS Locations **8 S-JRSS Locations** 



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# Your Roles



### **Combatant Commands / Services / Agencies**

- Secure / Operate / Defend
  - Perform Computer Network Defense Service Provider & Defensive Cyber Operations Missions with support of JRSS (NIPR & SIPR)
  - Train on and leverage new JRSS capabilities for CC/S/A operational effects
- Migrations
  - Ready CC/S/A networks for migration to the new capability
  - Provide CC/S/A migration priorities
  - Actively participate in migration process
- Future Requirements
  - Provide feedback to DISA on capabilities for posturing future requirements
  - Support funding requirements in the POM

### **Industry**

- Development Multi-tenant product lines / smaller, more efficient platforms
- Partnerships O&M and Innovation



# Contact/POC Information



## **Information**

www.disa.mil/Initiatives/JRSS

**Program External DEPS Link** 

https://east1.deps.mil/disa/cop/mae/cop\_mae/JRSS/JRSS%20Documents/Forms/ AllItems.aspx

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